Aspire T100

User's manual

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User's manual

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Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondense concerning your unit should include the serial number, model number, and purchase information.

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Model Number :_____

Serial Number:_____

Purchase Date: _____

Place of Purchase: _____

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FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the device and receiver
- Connect the device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with noncertified peripherals is likely to result in interference to radio and TV reception.

Use conditions

This part complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

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Remarque à l’intention des utilisateurs canadiens

Cet appareil numérique de la classe B respected toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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Remark: All the drawings in the Guide are diagrams. About components's quantity and style, substances shall take precedence.

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System Tour

Your computer's front panel consists of the following:

Front panel

No.	Description
1	Optical Drive
2	Floppy Drive
3	Power button
4	Speaker or Headphone Jack

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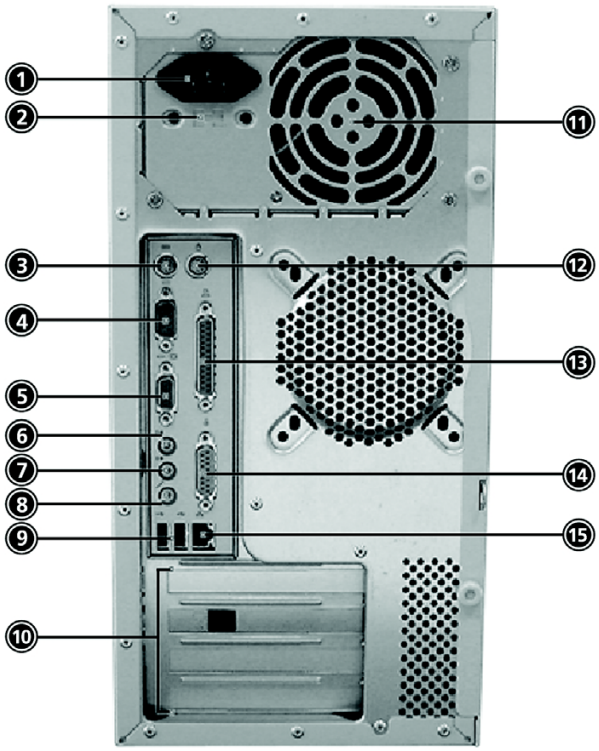
No.	Description
5	Microphone Jack
6	Universal Serial Bus (USB) Ports

Rear panel



No.	Description
1	Power cord socket
2	Voltage selector switch
3	PS/2 Keyboard Port
4	Serial Connector

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No.	Description
5	Monitor Connector
6	Line-out Jack
7	Line-in Jack
8	Microphone Jack
9	USB Connector
10	PCI Card Slot
11	Fan Aperture
12	PS/2 Mouse Connector
13	Printer Connector
14	Game/MIDI Port
15	RJ-45 Ethernet Connector

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System Features

Your computer features:

Performance

- Intel Pentium 4/Celeron CPU
- Intel 845GV/ICH4
- System Memory DDR 266/333, 2 DIMM Slots, expandable to 2GB
- Power management function
- 3.5 inch floppy drive
- CD-ROM, DVD-ROM or CD-RW (52X/24X) drive
- High-capacity, Enhanced-IDE drive
- Support USB 2.0 high performance peripherals

Multimedia

- 3D quality audio system via onboard audio controller
- Audio-in/Line-in, Audio-out/Line-out, Headphone out and external Microphone in jacks

Note: the system has two Microphone-in Jacks (front and rear) However, you can not use both of them at the same time. By default, you system enables your microphone-in jack in front and disables the one at the back.

Connectivity

- Two PS2 ports for keyboard and mouse
- One serial port
- One Parallel port
- One VGA port
- Four USB 2.0 ports (two on the front, two on the rear panel)
- High speed V92, 56K fax/Data modem (optional)
- 10Base-T/100Base-TX Ethernet Network support with "wake on LAN"

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System peripherals

The Aspire T100 computer consists the system itself, and system peripherals, like a mouse, a keyboard and a set of speakers (optional). This section provides a brief description of basic system peripherals.

Mouse

The included mouse is a standard two-button wheel mouse. Connect the mouse to the PS2 mouse port on the back panel of the system.

Keyboard

Connect the keyboard to the PS2 keyboard port on the back panel of the system.

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Speakers

For systems bundled with speakers, before powering on the system, connect the speaker cable to the audio out (external speaker) port on the back panel of the system.

For more detailed information about the speakers, please refer to the included operating instructions.

Note: speakers are optional and the appearance might be different depending on the actual product.

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System upgrade

You can expand your Aspire T100 system quickly and easily by adding components. You can also upgrade the components of your Aspire T100 system.

Open the computer

Before removing any panels or covers, please make sure to shut off the computer and unplug the power cord from the outlet.

- Remove the two screws on the side panel.
- Slide the panel back and off.

Set up new components

You can only use components compatible with Aspire T100 computers. Before you choose new components, please ask your authorized Acer dealer whether the part will operate within your Aspire T100 system.

In order to ensure proper setup and installation, please consult the instructions provided with your new components.

Probable upgrades are:

- Upgrade to High Capacity HDD
- Expand high-level memory
- Upgrade from a CD-ROM drive to CD-RW, DVD-ROM, or DVD-RW
- Install additional interface cards in empty PCI slots e.g., PCI fax/modem card

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Setting up your computer

Aspire T100 is a versatile, high-power system, supporting Intel Socket 478 CPUs. The computer uses Peripheral Component Interface (PCI) and Accelerated Graphics Port (AGP) design. This improves system efficiency and helps the system support varied multimedia and software applications.

Your Aspire T100 has standard I/O (Input/Output) interfaces such as a serial port, parallel port, PS/2 keyboard and mouse ports, the system includes four USB ports, two microphone ports (one at front and one at rear panel), a stereo line-in Jack, a stereo line-out jack and a Game/ Musical Instrument Digital Interface (MIDI) port. The system can accommodate extra peripheral equipment through those I/O ports.

Your system can also support an optional high-speed fax/data modem or an additional LAN (local area network) card.

Furthermore, the system is compatible with Windows XP Home, Windows XP Professional operating systems.

Necessary to know before Setup

Prior to setting up your Aspire T100 System:

- Select a location
- Open package

Select location

Selecting the optimum location for your computer:

- Don't place the system too close to other electrical equipment.
- Don't place the system in high traffic areas or where the power cord or other cords may be stepped on.
- Avoid placing the system in any location that is excessively dusty or damp.

Open package

Open the package carefully and keep all packing materials for later use.

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Ensure that all items are present and in good condition. If any of the following items are missing or appear damaged, contact your dealer immediately.

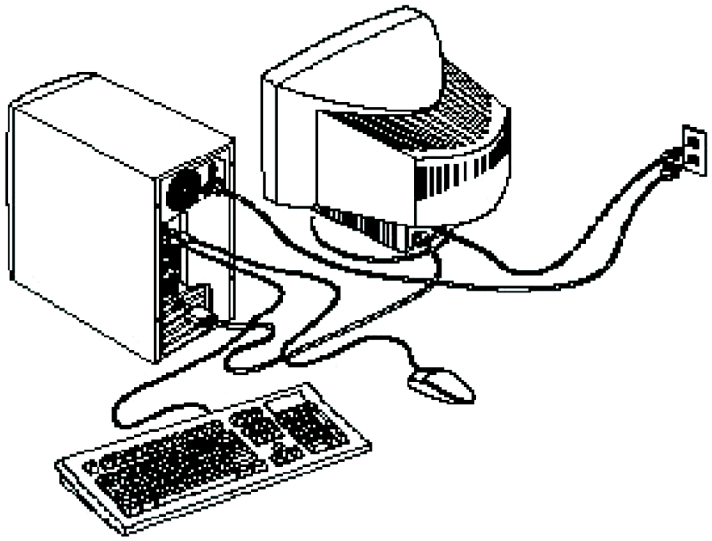
- Acer Power T100 Series
- PS2 keyboard
- PS2 mouse
- Spearkers (for selected models only)
- User's Guide and Starter poster

Other user documentation and third party software.

Connecting the peripherals

Note: Don't connect system power cord before connecting all peripherals to the system.

After everything is connected, plug the power cord into the system and insert the other end into a power outlet.



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Starting your computer

After connecting all the peripheral equipment, start your computer according to the below steps:

1 Power on all peripheral equipment, such as monitor, printer, fax, speakers etc.

2 Turn on the system. Once the start-up process is complete, you can begin to use the computer.

Shutting down your computer

From the "Start" Menu, select "Shut Down" and click OK.

In the event of a system crash, press and hold the power button on the front of the system for four seconds. After the system has shut down, turn off all peripheral devices.

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Upgrading your computer

Installation Precautions

Reminder for guarding against static electricity

Protect your system from power surges, read following section before installing any components. This section contains important ESD (Electrostatic discharge) precautions.

ESD Guard

ESD can damage the CPU, drives, expansion circuit boards and the other components. Before you install components, please observe the following precautions:

1 Do not remove new components from their protective packaging until you are ready to install them into the system.

2 Wear a wrist grounding strap and touch it to a metal part of the computer before installing the components. If a wrist grounding strap is not available, please maintain contact with the system case throughout any procedure requiring ESD protection.

Pre-installation Instructions

Always observe the following before you install any component:

1 Turn off your computer and any peripheral devices connected to it and unplug all cords from the system before you install any component into computer.

2 Open your computer system according to instruction setup manual.

3 Follow ESD precautions described above before handling any computer components.

4 Remove any expansion boards or peripherals that block to the DIMM sockets or component connectors.

Warning! If the system is not properly shut down before you start to install components, your system may be damaged.

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Certain components of your computer are upgradeable such as the memory, the hard disk, the CPU and the expansion card. However, for safety purpose we do not recommend performing these upgrades yourself. If you want to replace or upgrade any of the components, contact your dealer or a qualified service technician.

Post-installation Instructions

After installing or upgrading any component:

1 Check whether all the components had been installed following the step by step instructions in their respective sections.

2 Replace any other components previously removed to allow access.

3 Replace the external panels.

4 Reconnect all peripheral cables and turn on the system power.

Opening your Computer

This chapter introduces how to open the external panels when you need to install or upgrade components.

Remove the side panel

1 Turn off your computer and unplug all peripheral devices.

2 Place the system on a flat, steady surface.

3 Remove the two screws on the side panel.

4 Slide the panel towards the back of the system and gently remove it.

Replace the side panel

1 Put the cover back on the system.

2 Lock the panel with previously removed screws.

Replacing the HDD

Upgrade the HDD

1 Remove all the HDD wires from the system's mainboard.

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2 Remove the 4 screws fixing HDD to the chassis.

3 Gently remove the HDD from the drive bay.

4 Reinstall the HDD:

   a Insert the HDD into the bay.

   b Replace the 4 screws to secure the drive.

5 Connect the cables to the mainboard.

Installing PCI cards

Install PCI card

1 Find an empty PCI slot on the motherboard.

2 Remove the screw holding the bracket to back panel and remove the bracket.

3 Take the new PCI card from its protective bag.

4 Position the PCI card in the slot and gently press to insert it.

5 Secure the card to your computer with the screw removed earlier.

When you restart the system, BIOS (Basic Input/Output System) will automatically detect and allocate the resources to the new PCI device.

Remove PCI card

To remove PCI card, you only need to open the computer and remove the undesired card.

Installing additional memory

Memory can be upgraded to a maximum of 2 GB. This can be done by adding the additional 128MB, 256MB, 512MB or 1GB PC 2100/2700 DDR DIMM to two of the 184-pin DDR sockets locate on the motherboard. See below.

Install DDR DIMM

1 Align the DDR DIMM with the socket.

2 Push the DDR DIMM into the socket until the clips lock onto the DDR DIMM.

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Remark: The DDR DIMM sockets are slotted to ensure proper installation. If you insert a DDR DIMM but it does not fit easily into socket, you may have inserted it incorrectly. Turn the DDR around and try to insert it again.

Remove DDR DIMM

1 Press the holding clips on both sides of the DDR socket outward to release the DDR.

2 Gently pull the DDR out from the socket.

To reconfigure your computer

The system will automatically detect the amount of memory installed. Run the BIOS utility to view the new value for total system memory and make a note of it.

Upgrading CPU

Remove CPU

Remark: Please follow the pre-installation instructions to guard against static electricity while installing or removing any system parts.

To remove the CPU from the motherboard:

1 Find the CPU on the motherboard

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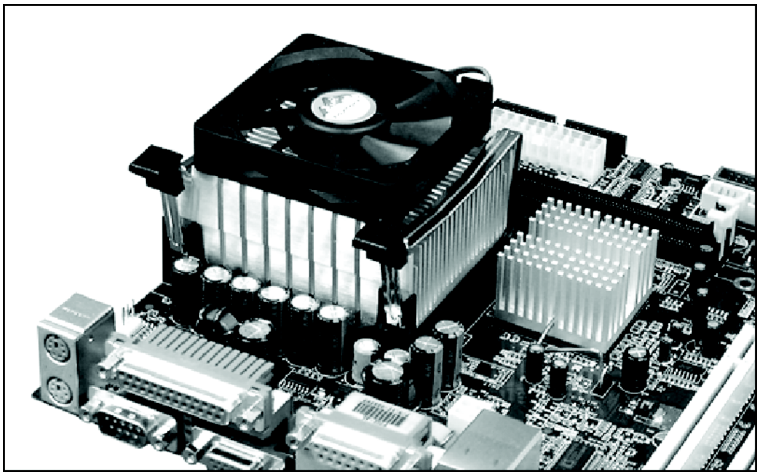
2 Disjoin the connectors attached to the fan and the heat sink.



3 Remove the fan and the heat sink.

4 Unlock the socket lever to release the CPU.

5 Gently pull the CPU from the socket.

6 Install and upgrade CPU.

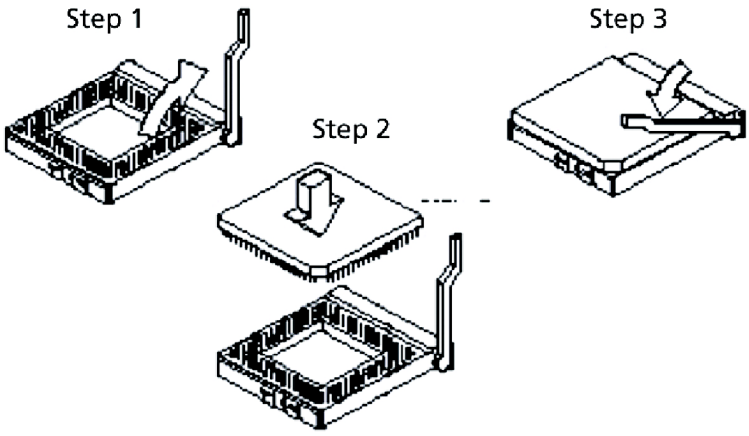
Install and upgrade CPU

To install or upgrade the CPU, complete the following steps:

1 Unlock the socket lever.

2 Install the CPU chip into socket.

3 Return the lever to locked position.



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English

4 Attach the fan/heat sink on top of the CPU.

5 Attach the fan/heat sink connectors to the connectors with marked with "CPU FAN".

Warning! The CPU and heat sink may be hot if the system has been running. Also, there might be sharp pins and edges on some boards and/or chassis parts.

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Troubleshooting

The following questions are possible situations that may arise during the use of your computer and each is followed by simple answers and solutions to the situation.

Q: I pressed the power switch but the system did not boot up.

A: Check the LED located above the power switch.

If the LED is not lit, no power is being applied to the system. Do any of the following:

- Check if the voltage selector switch located on the rear panel of the computer is set to the correct voltage.
- Check if you properly plugged the power cable into an electrical outlet.
- If you are using a power strip or AVR, make sure that it is plugged in and turned on.

If the LED is lit, check the following:

- Is a non bootable (non system) diskette in the floppy drive? If yes, remove or replace it with a system diskette and press Ctrl + Alt + Del to restart your computer.
- The operating system files may be damaged or missing. Insert the startup disk you created during Windows setup into the floppy drive and press **Ctrl + Alt + Del** to restart your computer. This will automatically diagnose your system and make necessary fixes. However, if the diagnostic utility still reports a problem, then you may have to perform the recovery process to restore your system to its original factory default settings.

Q: Nothing appears on the screen.

A: Your computer's power management function automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not work, your computer. If restarting your computer does not work, contact your dealer or the technical support center for assistance.

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Q: The printer does not work.

A: Do the following:

- Make sure that the printer is connected to a power outlet and that it is turned on.
- Make sure that the printer cable is connected securely to the system's parallel port and the corresponding port on the printer.
- For additional information concerning the printer, refer to the printer's documentation.

Q: No sound comes out from the speakers.

A: Check the following:

- The volume may be muted. Look for the Volume icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option. You can also press the volume control/mute knob on your USB keyboard to toggle the mute function.
- If headphones, earphones, or external speakers are connected to the line-out jack of your computer, the internal or built-in speakers are automatically turned off.

Q: System cannot read diskette, hard disk, CD or DVD information.

A: Check the following:

- Make sure that you are using the correct type of media.
- Check if the diskette is formatted correctly. If not, format it again.

Caution: If you reformat a diskette, you will lose any data on it.

Make sure the diskette, CD or DVD is inserted into the drive correctly.

- Check if the CD or DVD is clean and not scratched.
- Check your drive by using a good (i.e., undamaged) diskette or a good disc. If your floppy drive, CD or DVD drive can not read the information on the good diskette, CD or DVD there may be a problem with the drive. Contact your dealer or technical support center for assistance.

Q: System cannot write diskette, hard disk or disc.

A: Check the following:

- Make sure the media is not write-protected.

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- Make sure that you are using the correct type of diskette. Check if the diskette is formatted correctly. If not, format it again.

Caution: If you reformat a diskette, you will lose any data on it.

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Taking Care of your computer

Please read the important instructions listed in this section. Following these instructions will help you maximize the durability of your computer.

Important tips

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water on the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust and dirt.
- Never place the system on uneven surfaces.
- Do not step on the power cord or place heavy objects on top of it. Carefully route the power cord and any cables away from personal traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere rating of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.
- Check the documentation that came with your software programs to see if you can select other combinations of resolution and color. These adjustments could make viewing the screen more comfortable.

Cleaning and servicing

To clean your computer and keyboard

1 Turn off the computer and unplug the power cord.

2 Use a soft cloth moistened with water and gently wipe the exterior of the computer and the keyboard. Do not use liquid or aerosol cleaners.

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To clean your pointing device

To clean your mouse (with rubber ball)

1 Open the circular cover underneath the mouse.

2 Take out the rubber ball and wipe it with a soft, damp cloth.

3 Put the ball back and replace the cover.

To clean your optical mouse

For users of an optical mouse, refer to the documentation that came with your mouse for maintenance instructions.

To clean your monitor

Make sure that you keep your screen clean. For cleaning instructions, refer to the documentation that came with your monitor.

When to contact a service technician

- If you dropped and damaged the computer.
- If liquid has been spilled into the computer.
- If the computer is not operating normally.

Asking for technical assistance

For technical assistance, contact your local dealer or distributor. You may also access the Acer Web site (www.acersupport.com) for information on how and where to contact the service centers available in your area.

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